

Study Number: C16019-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA48: Summary of Tissue Concentration

Test Compound: Thallium (I) Sulfate

CAS Number: 7446-18-6

Date Report Requested: 08/12/2021

Time Report Requested: 14:46:17

Lab: Battelle

Study Number: C16019-02
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.2.9
Stat Version: v2.6.0A

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		Male			
Phase	Dose (mg/L)	0	6.25	12.5	25
SD 14	Adult Plasma Thallium Concentration (ng/ml)	0.245 ± 0.0941 (5) **	209 ± 11.8 (4) *	627 ± 33.4 (5) **	1550 ± 48.5 (5) **
SD 14	Adult RBC Thallium Concentration (ng/ml)	BD	14.4 ± 3.67 (4)	19.0 ± 7.53 (5)	55.4 ± 15.8 (5)

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			Male
Phase	Dose (mg/L)		50
SD 14	Adult Plasma Thallium Concentration (ng/ml)	2730 ± 102	(5) **
SD 14	Adult RBC Thallium Concentration (ng/ml)	161 ± 45.0	(5)

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		Female			
Phase	Dose (mg/L)	0	6.25	12.5	25
SD 14	Adult Plasma Thallium Concentration (ng/ml)	0.0774 ± 0.0145 (5) **	132 ± 9.81 (4) *	443 ± 58.2 (4) **	1050 ± 58.6 (5) **
SD 14	Adult RBC Thallium Concentration (ng/ml)	BD	6.89 ± 2.51 (5)	41.7 ± 8.07 (4)	36.4 ± 11.0 (5)

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Female

Phase	Dose (mg/L)	50
SD 14	Adult Plasma Thallium Concentration (ng/ml)	2000 ± 207 (4) **
SD 14	Adult RBC Thallium Concentration (ng/ml)	65.3 ± 34.3 (4)

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

SD – Study Day

If over 20% of the animals in a group are above the limit of detection, then 1/2 the limit of detection value is substituted for values that are below the limit of detection.

When the control group did not have over 20% of its values above the limit of detection, no mean or standard error were calculated; no statistical analysis was done for the endpoint.

Statistical analysis was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

BD - Group did not have over 20% of its values above the limit of detection.

**** END OF REPORT ****